

# Western States Minerals Corporation

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August 5, 1985

Mr. Lowell P. Braxton  
Administrator  
Mineral Resource Development and Reclamation  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Trail Center, Suite 350  
Salt Lake City, UT 84180-1203

Mine file  
LPS  
John W.

RECEIVED

AUG 08 1985

DIVISION OF OIL  
GAS & MINING

Re: Drum Mine Permit, ACT/027/007

Dear Mr. Braxton:

The following comments address the concerns you raised in your letter of June 28th.

## RULE M - 5

A detailed reclamation construction estimate for the additional acreage is:

REGRADING and recountouring of waste rock and waste disposal sites, tailings and sediment ponds. Diversions and areas of critical grade.

1. Earthwork to final grade  
Heap leach pads - 10 days (D-9) = \$10,000.  
Mine and waste dumps - 10 days = \$10,000.
2. Topsoil replacement  
Respreading 5,000 CY @ \$1.50 = \$ 7,500.
3. Stabilization  
Reseeding 26 Ac @ \$500 = \$13,000.  
Mulching 26 Ac @ \$ 75 = \$ 1,950.

## SAFETY

Fencing hiwall - 8' high fence  
1500' @ \$20 \$30,000.

## MONITORING

Periodic monitoring sampling and testing  
2 inspections @ \$1,000 \$ 2,000.

Sub Total	\$74,450.
10% Contingency	7,450.
Total	<u>\$81,900.</u>

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Please note that only the newly disturbed area is covered by the proposed bond. The reclamation for the existing mine plant, original site dumps, etc. is covered by bond #348 1803 for the amount of \$117,000.

## RULE M - 10 (6)

The additional ore and waste from the new area will be :

ore: 434,400 BCY

waste: 686,500 BCY

3.1 The new processing areas and dump locations are shown on map

The final reclamation of the new dump areas will be consistant with the originally permitted dumps. The new dumps will be built by the mining equipment and will be a level, compacted earthfill in small drainges or on hillsides in more open areas. The outslopes will be at the natural angle of repose. The level top of the dump will be covered with available topsoil and seeded with the approved mixture at 15 to 20 pounds per acre. The outslopes will be stabilized with the larger waste rock to minimize erosion potential.

## RULE M - 10 (12)

Interim reclamation will be started this fall. We have graded some areas around the mine and have the seed on hand to test the effectiveness of the final reclamation plan.

## RULE M - 10 (14)

The soils on the new mining, waste and leaching areas are identical to the previously disturbed areas. Topsoil exists only in the leaching areas to any extent as the mining and waste areas are located on rocky, steep hillsides. Topsoil thickness in the leach area is from none to 18 inches. All topsoil in the area will be saved and stockpiled adjacent to the leach pads. Volume of topsoil stockpiled 1245 cubic yards.

Availible topsoil will be placed on the leach pads to a depth of 4 to 8 inches. Any remaining topsoil will be placed on the waste dumps at the same depth.

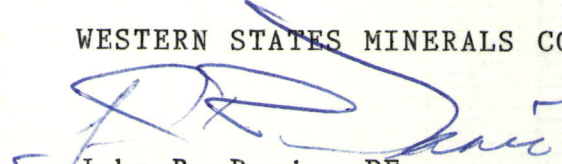


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Please let me know if this additional information is complete. If so, we will forward a bond for \$81,900 to complete the amendment.

Sincerely,

WESTERN STATES MINERALS CORP.



John R. Danio, PE  
Project Manager

JRD/jat